STATE OF MISSOURI GEOLOGICAL SURVEY PROGRAM

GEOLOGICAL SURVEY PROGRAM APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

☑ APPLICAT	ION TO DRILL	☐ DEEPEN	N ☐ PLU	G BACK	FOR AN	OIL WELDV	ORG	AS WELL
NAME OF COMPANY	OR OPERATOR					DATE		
Oil Sources Co	rp.				M	0 0 11/19/	7000 100	Quacil
ADDRESS	_			CITY		STATE	ZIPCO	
6950 W. 163rd				Stilwel		KS	6608	5
NAME OF LEASE	OF WELL AND	LEASE		WELL NUMBER	Charles Commen	LEIEVATI	ON (GROUND)	
Rosehill South				# =	47	ELEVAII	*****	1
WELL LOCATION	1 ./		(GIVE FOOTAG	SE FROM SECTION L	INES)		106	7
	2420 t.	from North		896	ft. from	East West		
Sec. 16 Tow	nshin 46 North	Range <u>33</u>	Fact TV West	38 18 36.5	LONGITUDE	317W	CASS	037
		ED LOCATION TO PR				=:"1	1	051
		ON TO NEAREST DE				THE SAME LEASE	343	FEET
PROPOSED DEPTH	DRILLING	CONTRACTOR, NAME	AND ADDRESS					E WORK WILL START
	4'elev	Macul	V DRILL	114.	POT	TARY	12-	1-12
NUMBER OF ACRES	IN LEASE NUMBER	R OF WELLS ON LEA	SE INCLUDING THE	S WELL, COMPLE	TED IN OR DRIL	LING TO THIS RE	SERVOIR 0	
70	NUMBER	R OF ABANDONED V	VELLS ON LEASE C)				
IF LEASE PURCHA	ASED WITH ONE OR	MORE WELLS DRILL	ED, FROM WHOM F	PURCHASED?		NO. OF WE	LLS PRODU	ICING
NAME								TION
ADDRESS								CTIVE
		☐ SINGLE WELL		TA DIA	NIVET DOND		ABAND	
STATUS	OF BOND	AMOUNT \$	-		NKET BOND DUNT \$ 20,00	00	ON F	
REMARKS: (IF THIS I	S AN APPLICATION TO	DEEPEN OR PLUG BAC	K, BRIEFLY DESCRIBE					
INJECTION ZONE; US	SE BACK OF FORM IF N	EEDED)						
	PROPOSED CA	SING PROGRAM		APPRO	VED CASING -	TO BE FILLED IN	BY STATE G	EOLOGIST
AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZ	E V	VT/FT	CEMENT
20'	8 5/8	25	portland	20	898"	2	5	Coll /andla
600	4 1/2	12.5	portland	600,	42	" 2	5	-11 Lerigin
				-				
	L.,			10/65 (0)				
I, the Undersign	ned, state that I a	m the SHR ANN as prepared und	Usythe OLSO	(Company)	, and that I ar	m authorized b	y said com	pany to make
this report, and	that this report w the best of my h	as prepared und	er my supervisio	n and direction	and that the	facts stated th	erein are tr	ue, correct,
	o the best of my r	riowiedge.						×
SIGNATURE	1011-	1_		_		DATE	11-19-	7017
PERMIT NUMBER	7	7				/	1-11	20,2
711/0	3 (,	DRILLER'S LOC	REQUIRED	[E-LOGS REQUIR	ED IF RUN	
APPROVED DATE	1		CORE ANALYS	IS REQUIRED IF F	RUN 📈	DRILL SYSTEM T	EST INFO RE	QUIRED IF RUN
			☐ SAMPLES REQ	UIRED				
APPROVED BY			SAMPLES NOT					
				EC DECLUDED AT	Т			
			☐ WATER SAMPL	ES REQUIRED A				
NOTE >	THIS PERMIT N	IOT TRANSFERA				NY OTHER LO	CATION.	
APPROVAL OF TH	IS PERMIT BY THE C	OIL AND GAS COUNC	ABLE TO ANY O	THER PERSO	ON OR TO AN			PROPOSED
APPROVAL OF THE WELL NOR ENDOR	IS PERMIT BY THE C	DIL AND GAS COUNC UALIFICATIONS OF	ABLE TO ANY O	THER PERSO	ON OR TO AN	GEOLOGIC MER	ITS OF THE F	
APPROVAL OF THE WELL NOR ENDOR	IS PERMIT BY THE CREEMENT OF THE Q	OIL AND GAS COUNC UALIFICATIONS OF TO OMPANY), CONFIRM	ABLE TO ANY OUT DOES NOT CONSTHE PERMITTEE	OTHER PERSO STITUTE ENDORS d drilling permit	ON OR TO AN	e GEOLOGIC MER	owner of thi	is well.
APPROVAL OF THI WELL NOR ENDOR I, of the Council approva	IS PERMIT BY THE CREEMENT OF THE Q	DIL AND GAS COUNC UALIFICATIONS OF	ABLE TO ANY OUT DOES NOT CONSTHE PERMITTEE	OTHER PERSO STITUTE ENDORS d drilling permit	ON OR TO AN	e GEOLOGIC MER	owner of thi	is well.
APPROVAL OF THI WELL NOR ENDOR I, of th Council approva representative.	IS PERMIT BY THE C RSEMENT OF THE Q The (Co al of this permit w	OIL AND GAS COUNC UALIFICATIONS OF TO OMPANY), CONFIRM	ABLE TO ANY OUT DOES NOT CONSTHE PERMITTEE	OTHER PERSO STITUTE ENDORS d drilling permit	ON OR TO AN	e GEOLOGIC MER otained by the of d signature of a	owner of thi	is well.
APPROVAL OF THI WELL NOR ENDOR I, of the Council approva	IS PERMIT BY THE C RSEMENT OF THE Q The (Co al of this permit w	OIL AND GAS COUNC UALIFICATIONS OF TO OMPANY), CONFIRM	ABLE TO ANY OUT DOES NOT CONSTHE PERMITTEE	OTHER PERSO STITUTE ENDORS d drilling permit	ON OR TO AN	e GEOLOGIC MER	owner of thi	is well.

RECEIVED

Q ==

STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
WELL LOCATION PLAT

NOV 1 9 2012

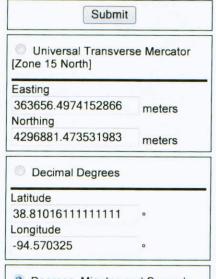
FORM OGC-4

WELL!	LOCATION F	PLAT			1	Mo Oil	& Gas	s Coun	cil
OWNER'S NAME	OTL	. Soc	RCES	CoP			1961		
LEASE NAME			Sou GIVE FOOTAGE FROM				COUNTY	CASS	
WELL LOCATION 2420	ft. from X North					X Fast □	West from	section line	
Sec. 16 Township 4	Lalerth Boos	22 🗆 -		<u> </u>	ic work	Luor L	VVCSC II OIII	SCOROTT III C	#7
LATITUDE Z	PNorus Range	,	ast A vvest	LONGITI	UDE		· 1		* 1
5748	36.581	!		1 4	18341	3.17	W		
NORTH	4								
					17135	t.			
			-						
			3			2 42	From 1	7)	
						1	+	-	+
									174*31:
	7,					Vana	501		EAST LEASEL
			4907	FROM L	LIST /	190	896	Trzom	EAST OUBL
					1	112	00' FROM	SOUTH LA	ERSE LINE
					FRA	L Port		1- Pec	SPEAT
REMARKS									
	INSTRUCTION	NS		locate	oil and gas	wells in ac	cordance w		60-2.030 and
On the above plat, sho we nearest section line learest well on the sar same reservoir. Do no see rule 10 CSR 50-2. nust be marked.	es, the nearest li ne lease comple it confuse survey	ease line, are sted in or drill v lines with h	nd from the Iling to the ease lines.	that the	e results are	e correctly	snown on t	ne above plat	
GEOLO PO BOX 250, RO	WIT TWO (2) COP OGICAL SURVEY DLLA, MO 65402- COPY WILL BE	PROGRAM 0250 (573) 3	88-2143	REGISTE	RED LAND SUR	VEYOR		NUMBER	



Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).



Latitude Degrees	
38	0
Latitude Minutes	
48	1
Latitude Seconds	
36.58	н
Longitude Degrees	
-94	0
Longitude Minutes	
34	
Longitude Seconds	
13.17	н

Metadata

- Interstate Highways
- US Highways
- State Highways
- Railroad
- Major and Minor Roads
- County Boundary
- Lakes
- Major Rivers
- Rivers and Streams
- Missouri River
- Mississippi River
- Municipal

UTM Zone 15N [Easting, Northing] [363656.4, 4296881.4] meters Decimal Degrees [Lat, Lon] [38.810161°, -94.570325°] Deg, Min, Sec [Lat, Lon] [38° 48' 36.5", -94° 34' 13.1"] **County Name** Cass County FIPS Code 037 Legal Description Section 16 T46N R33W Municipality NO VALUE **House District** 123 **Senate District** 31 Congressional District MoDNR Region Kansas City Regional Office USGS 1:24,000 Quadrangle Belton [38094-G5] 8 Digit Watershed 10290108 [South Grand] 10 Digit Watershed 1029010801 [Headwaters South Grand River] 12 Digit Watershed 102901080101 [East Creek] Special Well Drilling Area **Ecological Drainage Unit** Central Plains/Osage/South Grand Level III Ecoregion Central Irregular Plains **Query Time** 6.688 s

Rows with red text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

TP/m Confact - Conservative Estimate

TP/m Confact - TP/m = 230'elev.

Well ID # 020073 (~14,700'ssw of site) (on opposite side or eros.

Elev 1080' TPc 2380' thick 1P/m = 229 plev Well IS # 004734 (=6000'SSW of site) (on opposite stde)
Flev. 1072' Using The =380'shick of faults Plm 2 15'eler Well ID # 004842 (~2,500' WSW od site) (crossing failt) Elev 1102' Using TPC = 380' thick 1P/m ~ ZZZ'





View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



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